

**STATE OF CALIFORNIA  
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
LOS ANGELES REGION**

**ORDER NO. R4-2002-023**

**REVISED  
WASTE DISCHARGE REQUIREMENTS**

**VENTURA REGIONAL SANITATION DISTRICT  
(TOLAND ROAD LANDFILL)  
(File No. 69-091)**

The California Regional Water Quality Control Board, Los Angeles Region (Regional Board) finds that:

1. The Ventura Regional Sanitation District (VRSD), 1001 Partridge Drive, Suite 150 Ventura, CA 93003-5562, owns and operates the 161-acre Toland Road Landfill located in an unincorporated area of Ventura County between the cities of Santa Paula and Fillmore (Figure 1, attached). The latitude of the landfill is 34° 24' 06"; it's longitude is 118° 00' 49" (at the site scalehouse).
2. The Toland Road Landfill is a Class III municipal solid waste landfill.
3. The Toland Road Landfill began operations in 1970 on a 161 acre leased site and was operated by the Ventura County Public Works Agency. In 1972 VRSD assumed the lease and operations of the landfill. In 1986 VRSD purchased the land on which the landfill is located. In 1988, VRSD purchased an additional 53-acre parcel adjoining the subject property to the south. At present, total acreage for the landfill is approximately 214 acres of which 86 acres are permitted for landfilling.
4. Current permitted fill operations at the Toland Road Landfill became subject to waste discharge requirements (WDRs) under Regional Board Resolution No. 70-22 (adopted on March 11, 1970). On September 27, 1993, Resolution No. 70-22 was amended when the Regional Board adopted Order No. 93-062 incorporating federal Resource Conservation and Recovery Act Subtitle-D (Subtitle-D) regulations for municipal solid waste (Class III) landfills (Attachment 1). The WDRs were updated by Regional Board Order No. 96-053 (adopted July 15, 1996) which rescinded Resolution No. 70-22 and incorporated applicable expansion regulations of title 23, chapter 15 of the California Code of Regulations (Chapter 15). The Subtitle-D regulations were not rescinded by Order 96-053 so that the active WDRs for the Toland Road Landfill are contained in Orders 96-053 and 93-062.
5. On February 1, 1996, the VRSD Board of Directors certified a Final Environmental Impact Report (EIR) (SCH No. 95031009) for the expansion of the landfill in accordance with the California Environmental Quality Act (CEQA). The EIR determined that

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expansion of the landfill would have significant impacts related to noise, air quality, and traffic and a statement of overriding considerations for these impacts was prepared and adopted by the Board of Directors on February 22, 1996.

6. On May 22, 1996, the Ventura County Board of Supervisors issued Conditional Use Permit (CUP) No. 3141(3) to VRSD which provided for the lateral and vertical expansion of the Toland Road Landfill for 31 years, or upon completion of the approved fill design, whichever came earlier. The approved fill design allows placement of approximately 15 million tons (30 million cubic yards) of refuse over the 86-acre landfill.
7. VRSD filed a complete Report of Waste Discharge (ROWD), dated October 6, 1995, for the disposal to land of nonhazardous solid waste and inert solid wastes, at the Toland Road Landfill, in accordance with title 23, chapter 15, section 2595 of the California Code of Regulations. VRSD proposed in the ROWD to expand operations, as approved under the existing CUP No. 3141(3).
8. In March 1998, the Ventura County Planning Division issued a permit adjustment to CUP 3141 (3) to add 2.5 acres of non-fill cut-slope to the permit boundary. On December 20, 2001 the Ventura County Planning Division adopted a revision of CUP No. 3141(3) to expand the refuse footprint by approximately 5.4 acres in order to fill a small V-shaped depression on the currently approved fill plan and change the final slopes from 1:1 (horizontal:vertical) to 2.5:1 or greater in the area being modified. The approved fill design is shown on Figure 2 (attached). The total volume of refuse in the landfill will not change from that previously approved.
9. The Toland Road Landfill is currently regulated by WDRs under Regional Board Order Nos. 93-062 and 96-053. These WDRs are being updated to incorporate ongoing expansion of the facility.
10. California Code of Regulations, title 27 (27 CCR) became effective on July 18, 1997. 27 CCR required clarification of the roles and responsibilities of the California Integrated Waste Management Board (Waste Board) and the State Water Resources Control Board (State Board) in regulating solid waste disposal sites. The approved 27 CCR regulations combine prior disposal site/landfill regulations of the Waste Board and State Board that were maintained in title 14 and title 23, chapter 15 of California Code of Regulations.
11. The Toland Road Landfill is located within the Fillmore Hydrologic Subarea of the Sespe Hydrologic Subunit in the Santa Clara-Calleguas Hydrologic Unit. The landfill is surrounded on three sides by ridges that restrict inflow by seasonal precipitation. The resultant groundwater flows in alluvium, weathered bedrock, or fractured bedrock, that generally follows the surface topography and exits the canyon to the south. Water exiting the canyon eventually enters the water bearing strata of the Santa Clara River watershed. The existing beneficial uses of the Fillmore Hydrologic Subarea of the Sespe Hydrologic Subunit in the Santa Clara-Calleguas Hydrologic Unit are municipal and domestic

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supply, agricultural supply, industrial service supply, groundwater recharge, freshwater replenishment, water contact and non-contact recreation, warm freshwater habitat, wetland habitat, wildlife habitat, rare, threatened and endangered species habitat, and migration of aquatic organisms habitat.

12. Surface drainage from the landfill is subject to State Board Order No. 97-03-DWQ, National Pollutant Discharge Elimination System (NPDES) General Permit No. CAS000001, *"Waste Discharge Requirements for Discharges of Storm Water Associated with Industrial Activities Excluding Construction Activities"*.
13. VRSD has implemented a groundwater monitoring program that has regularly evaluated groundwater quality at the landfill since 1987. Groundwater monitoring conducted at the site indicates no release of pollutants from the landfill.
14. VRSD submitted preliminary closure and post closure maintenance plans (PCPCMP) on May 1996. The plans were updated and submitted in December 2001.
15. The Toland Road Landfill lies within the Transverse Ranges physiographic province which is dominated by east-west trending folded and faulted mountain ranges that are the result of tectonic compressional forces. In the vicinity of the site, the Ventura Basin is comprised mainly of the east-west trending Santa Clara syncline which is bounded on the south and north margins by the Oak Ridge and San Cayetano Faults, respectively. The Topatopa Mountains are being uplifted north of the Ventura Basin and are being thrust south over the basin sediments along the San Cayetano Fault (Figure 3, attached).
16. Regional Board Order No. 96-053 contained a provision (F.2) that prohibited VRSD from placing municipal solid waste closer than 200-feet to the trace of the Culbertson Fault as shown on Plate 2 of the Fugro-McClelland study entitled "Fault Exploration and Characterization Study - Toland Road Landfill Expansion" dated December 1992, unless approved by the executive officer. To the west of the landfill, the Culbertson Fault is mapped as a Holocene fault based on guidelines established by the California Division of Mines and Geology. Active faults are defined as Holocene Epoch faults that have exhibited surface movement in the last 11,000 years. VRSD conducted studies subsequent to the issuance of Order No. 96-053. The Executive Officer of the Regional Water Board determined that there was no compelling evidence of Holocene faulting at the site and rescinded the setback requirement contained in Provision F.2 in a letter dated November 25, 1996. The November 25, 1996, letter acknowledged that the recent studies indicated that the Culbertson Fault may possibly project north of the existing landfill and permitted VRSD to proceed with grading of the expansion area with the condition that VRSD suspend grading if it discovered any evidence of Holocene faulting during grading activities. State Board Order No. 97-05 denied a petition by "The Ventura County Citizens To Stop Toland Landfill" to stay the rescission of the 200-feet requirement contained in Order No. 96-053.

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17. Structural geologic models for the region indicate that the Culbertson Fault, and other similar faults such as the Thorpe and Orcutt faults, are the result of flexural slip within the overturned limb of the syncline that lies south of, and structurally below the San Cayetano Fault. The San Cayetano Fault, the nearest major active fault, is located approximately 1.7 km (1.1 miles) north of the landfill. The San Cayetano, Culbertson, and other faults and the overturned syncline exist within and are the product of north-south tectonic compression (Figure 3, attached).
18. Geologic features in the northeastern portion of the Toland Road Landfill, identified through trenching studies by Fugro Consultants (1996, 1997, 1998, 2001), have been described as a possible trace of the Culbertson Fault. (Approximately 9,600 lineal feet of trenching was completed to evaluate the potential for onsite active faulting). A seismic evaluation completed by GeoLogic Associates, 2001, indicates that the episodic slip rates for this onsite fault can be ascribed to an aseismic slip model, indicating that the degree of risk associated with ground rupture along the fault is extremely low.
19. The Toland Road Landfill is underlain by Quarternary alluvial fan deposits and Tertiary aged marine bedrock of the Los Posas and Pico Formations. The bedrock formations, consisting of interbedded sandstones, siltstones, and claystones, are classified by the Department of Water Resources (1961) as non-waterbearing. Groundwater, when present, is limited to canyon alluvium and fractured and weathered pockets in bedrock that could move slowly downcanyon towards the Santa Clara-Sespe area of the Ventura Central Groundwater Basin. Generally, the Pico Formation acts as the regional aquitard to the highly-permeable Saugus Formation, which primarily composes this groundwater basin. The Saugus Formation does not underlie the landfill.
20. The Pico Formation which principally underlies the landfill is considered a bedrock and non-water-bearing geologic formation. Groundwater in the Pico Formation is distinctly sodium chloride and sodium sulfate in chemical nature, typically displaying total dissolved solids concentrations in excess of 5000 milligrams per liter.
21. During the summer and fall of 1999, pressure transducers (Trolls) were installed in all three alluvial monitoring wells existing at the site to evaluate the transient nature of water in the alluvial wells and to track the presence of shallow ground water to better corrodinate the timing of sampling of these wells.
22. The site is not located within a liquefaction hazard zone. Landslides known to exist at the site have been mapped (Figure 4, attached). However, for future proposed expansion areas, grading is expected to excavate the existing surficial slope failure features and the infilling of the canyon area with waste is expected to buttress the slopes against future failure.
23. Surrounding land uses of the Toland Road Landfill include open space and agricultural lands (Figure 5 attached).

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24. Climatic conditions at the Toland Road Landfill are semi-arid. Rainfall typically occurs between November and April with very little rainfall during the summer months. Average annual precipitation in the area is approximately 14.8 inches. Average annual evaporation in the area is approximately 57.2 inches.
25. The Toland Road Landfill is located outside of a 100-year flood plain according to the 1994 Ventura County General Plan (Figure 6 attached).
26. The Toland Road Landfill is operated as a modified “cut and cover” canyon landfill. Soil is excavated within the site property for use as daily cover. Waste is placed in lifts approximately 15- to 20-feet thick with maximum 3:1 perimeter slopes. The lifts consist of waste compacted in two-foot thick layers distributed across a daily working face approximately 100 feet-wide. Each lift is covered daily with soil or alternative daily cover placed in a manner to minimize the infiltration of precipitation.
27. Maximum elevation of the landfill will be approximately 1,435 feet above mean sea level.
28. The Toland Road Landfill is permitted to accept up to 1,500 tons of Class III municipal solid waste per day.
29. The total design capacity of the Toland Road Landfill including refuse and daily cover is 30 million cubic yards (yd<sup>3</sup>). As of June 2001, the net remaining disposal capacity of the Landfill is approximately 21,002,922 yd<sup>3</sup> of refuse which corresponds to a remaining site life of approximately 26 years at present disposal rates.
30. The proposed engineered containment features of the expanded landfill include composite liner systems installed beyond the existing waste footprint, a barrier layer installed on top of existing waste, a leachate collection and removal system (LCRS) for the entire area, groundwater and vadose zone monitoring systems, and a landfill gas collection and removal system, as described in the ROWD. These systems will be constructed to the prescriptive standards of 27 CCR or equivalent performance standards. This Order specifies that final design and construction methods for proposed engineered systems be reviewed and approved by this Regional Board’s Executive Officer prior to installation and use.
31. VRSD continues to implement the Hazardous Waste Exclusion Program (a waste-load-checking program) described in the ROWD to prevent the disposal of hazardous wastes, designated wastes, or other unacceptable materials. Hazardous materials are temporarily stored in a dedicated hazardous waste storage area and disposed of at an appropriate hazardous waste facility according to hazardous waste laws.

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32. Surface water runoff from the landfill site drains primarily in a southerly direction. Storm water at the site is controlled by channeled ditches, pipelines, drainage benches and interim drainage structures that are designed and maintained to accommodate flows from the 100-year frequency, 24-hour duration storm.
33. The existing groundwater monitoring system around the Toland Road Landfill is indicated in Item No. 11 of Monitoring and Reporting Program No. CI-5644.
34. The Regional Board adopted a revised Water Quality Control Plan (Basin Plan) for the Los Angeles Region on June 13, 1994. The Basin Plan contains beneficial uses (municipal, domestic and agricultural supply, industrial service and process supply) and water quality objectives for groundwater in the Santa Clara – Santa Paula area of the Ventura Central Groundwater Basin. The requirements in this Order, as they are met, will be in conformance with the goals of the Basin Plan.
35. These WDRs govern the continuing disposal of municipal solid waste in the existing landfill unit. The Toland Road Landfill constitutes an existing facility, and the issuance of these requirements is therefore exempt from the provisions of the California Environmental Quality Act (Public Resource Code, section 21000 et seq.) in accordance with title 14, chapter 3, section 15301 of the California Code of Regulations.
36. In accordance with the Governor's Executive Order D-22-01, dated February 8, 2001, requiring any proposed activity be reviewed to determine whether such activity will cause additional energy usage, Regional Board staff have determined that implementation of these WDRs will not result in a significant change in energy usage.

This Regional Board has notified VRSD and interested agencies and persons of its intent to adopt WDRs for this discharge and has provided them with an opportunity to submit their written views and recommendations.

The Regional Board in a public meeting heard and considered all comments pertaining to the discharge and to the tentative requirements.

**IT IS HEREBY ORDERED**, that VRSD shall comply with the following requirements at the Toland Road Landfill:

**A. SPECIFICATIONS**

1. Neither the disposal nor handling of wastes at this landfill shall create nuisance or pollution, as defined in section 13050 of the California Water Code (CWC).
2. The disposal of wastes at this landfill shall not cause degradation of any water supply.

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3. All federal, state, and county sanitary health codes, rules, regulations, and ordinances pertinent to the disposal of wastes on land shall be complied with in the operation and maintenance of this landfill.

**Acceptable Materials**

4. VRSD shall only accept waste for disposal at the Toland Road Landfill as deemed acceptable for a Class III facility by the Regional Board through orders or regulations.
5. Wastes disposed of at this landfill shall be limited to certain nonhazardous solid wastes and inert solid wastes, as described in section 20220(a) and section 20230 of 27 CCR.
6. Nonhazardous solid waste means all putrescible and non-putrescible solid, semi-solid and liquid wastes, including garbage, trash, refuse, paper, rubbish, ashes, industrial wastes, demolition and construction wastes, abandoned vehicles and parts thereof, discarded home and industrial appliances, manure, vegetable or animal solid and semi-solid wastes, and other discarded waste (whether of solid or semi-solid consistency); provided that such wastes do not contain wastes which must be managed as hazardous wastes, or wastes which contain soluble pollutants in concentrations which exceed applicable water quality objectives, or could cause degradation to waters of the state (i.e., designated waste).
7. Dewatered sewage or water treatment sludge may be discharged under the following conditions:
  - a. In areas containing approved liner and LCRS systems, sludge may be discharged provided it contains at least 20 percent solids if primary sludge, or at least 15 percent solids if secondary sludge, mixtures of primary or secondary sludges, or water treatment sludge.
  - b. In areas where no approved liner and LCRS exist, sludge may be discharged if it contains at least 50 percent solids whether primary or secondary sludge, mixtures of primary or secondary sludges, or water treatment sludge.
  - c. A minimum solids to liquids ratio of 5:1 by weight shall be maintained to ensure that the co-disposal will not exceed the initial moisture-holding capacity of the nonhazardous solid waste.

**Unacceptable Materials**

8. No hazardous wastes (as defined in 22 CCR66261.3 et seq.), designated wastes

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(as defined in CWC section 13173), or special wastes (as defined in 22 CCR), such as liquids, oils, waxes, tars, soaps, solvents, or readily water-soluble solids, such as salts, borax, lye, caustic or acids shall be disposed of at this landfill.

9. No semi-solid wastes shall be disposed of at this landfill, except sludges under conditions set forth in Specification No. 7 above, or unless they are first processed in a solidification operation approved by the Executive Officer. Semi-solid waste means waste containing less than 50 percent solids, as described in section 20200 of 27 CCR.
10. No materials that are of a toxic nature, such as insecticides, poisons, or radioactive materials, shall be disposed of at this landfill.
11. No infectious materials or hospital or laboratory wastes, except those authorized for disposal to land by official agencies charged with control of plant, animal and human disease, shall be disposed at this landfill.
12. No pesticide containers shall be disposed of at this landfill, unless they are rendered nonhazardous by triple rinsing. Otherwise, they must be hauled off site to a legal point of disposal.
13. No septic tank or chemical toilet wastes shall be disposed of at this landfill.

**Requirements for Disposal Site Operations**

14. Drainage controls, structures, and facilities shall be designed to divert any precipitation or tributary runoff and prevent ponding and percolation of water at the landfill in compliance with sections 20365 and 21090(b)(1) of 27 CCR. When necessary, temporary structures shall be installed as needed to comply with this requirement.
15. The landfill shall be graded and maintained to promote runoff of precipitation and to prevent ponding of liquids and surface water. Erosion or washout of refuse or cover materials by surface flow shall be controlled to prevent off-site migration.
16. Wastes deposited at this site shall be confined thereto, and shall not be permitted to blow, fall, or otherwise migrate off the site, or to enter offsite water drainage facilities or watercourses.
17. Waste material shall not be discharged on any ground surface that is less than five feet above the highest anticipated groundwater level.
18. VRSD shall comply with notification procedures contained in section 32171 of the CWC in regards to the discharge of hazardous wastes. VRSD shall remove



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and relocate to a legal point of disposal, any wastes that are discharged at this site in violation of these requirements. For the purpose of these requirements a legal point of disposal is defined as one for which WDRs have been established by a California Regional Water Quality Control Board and is in full compliance therewith. The Regional Board shall be informed via quarterly monitoring reports submitted in accordance with the specifications contained in the attached Monitoring and Reporting Program No. CI-5644 when relocation of wastes is necessary. The source and final disposition (and location) of the wastes, as well as methods undertaken to prevent future recurrence of such disposal shall also be reported.

19. All wastes shall be covered at least once during each 24-hour period in accordance with sections 20680 and 20705 of 27 CCR. Intermediate cover over wastes discharged to this landfill shall be designed and constructed to minimize percolation of precipitation through wastes and contact with material deposited. Other measures will be taken as needed to prevent a condition of nuisance from fly breeding, rodent harborage, and other vector-related activities.
20. Alternative daily cover may be used consistent with section 20690 of 27 CCR.
21. The migration of gases from the landfill shall be controlled as necessary to prevent water pollution, nuisance, or health hazards.
22. The discharge of wastes or waste by-products (i.e., leachate or gas condensate) to natural surface drainage courses or to groundwater is prohibited.
23. Gas condensate gathered from the gas monitoring and collection system at this landfill shall not be returned to the landfill unless approved by the Executive Officer. Any proposed modifications or expansions to this system shall be designed to allow the collection, testing and treatment, or disposal by approved methods, of all gas condensate produced at the landfill.
24. VRSD shall intercept and remove any liquid detected in the leachate collection and removal system (LCRS) at this landfill to a legal point of disposal and leachate shall not be returned back to the landfill unless approved by the Executive Officer. If determined to be hazardous, collected leachate shall be transported by a licensed hazardous waste hauler to an approved treatment and disposal facility.
25. In any area within the landfill where a natural spring or seep is observed, provisions shall be made and/or facilities shall be provided to ensure that this water will not come in contact with decomposable refuse in this facility. The locations of all springs and seeps found prior to, during, or after placement of waste material that could affect this landfill shall be reported to the Regional

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Board.

26. All containment structures and erosion and drainage control systems at the Toland Road Landfill shall be designed and constructed under direct supervision of a California-registered civil engineer or certified engineering geologist, and shall be certified by the individual as meeting the prescriptive standards and/or performance goals of 27 CCR.
27. VRSD shall, at all times, properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used to achieve compliance with conditions of this Order. Proper operation and maintenance includes effective performance, and adequate laboratory and process controls including appropriate quality assurance procedures.
28. Cut and subgrade slopes, fill slopes, refuse cells and visual berms shall be designed and excavated / constructed in a manner that will resist settlement and remain stable during the design earthquake event in accordance with section 20370 of 27 CCR.
29. No wastewater or storm water shall leave this site except as permitted by a National Pollutant Discharge Elimination System permit issued in accordance with the Federal Clean Water Act and the California Code of Regulations. VRSD shall maintain and modify, as necessary, the Stormwater Pollution Prevention Plan developed for this landfill.
30. Any abandoned wells or bore holes under the control of VRSD, and situated within the site boundaries, must be located and properly modified or sealed to prevent mixing of any waters between adjacent water-bearing zones. A notice of intent to decommission a well must be filed with the appropriate regulatory agencies prior to decommissioning. Procedures used to decommission these wells, or to modify wells still in use, must conform to the specifications of the local health department or other appropriate agencies.
31. VRSD shall report any noncompliance or any incident resulting from site operations that are in violation of Order R4-2002-023. Any such information shall be provided verbally to the Executive Officer within 24 hours from the time the VRSD becomes aware of the circumstances. A written submission shall also be provided within seven days of the time that the VRSD becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected; the anticipated time it is expected to continue, and steps taken or planned to reduce, eliminate, or prevent recurrence of the noncompliance. The Executive Officer, or an authorized representative, may waive the written report on a case-by-case basis if the oral

report has been received within 24 hours.

32. VRSD shall establish and maintain a sufficient number of benchmarks at the landfill to enable reference to key elevations and to permit control of critical grading and compaction operations.

### **Water Quality Protection Standards**

33. VRSD shall follow the Water Quality Protection Standards (WQPS) for detection monitoring established by the Regional Board in this Order pursuant to 27 CCR, section 20390. The following are five parts of WQPS as established by the Regional Board:

- a. The following are WQPS established in the Basin Plan for the Santa Clara-Sespe area of the Ventura Central Groundwater Basin:

<u>Constituents</u>	<u>Units</u>	<u>Maximum Value</u>
Total dissolved solids (TDS)	mg/l	1000
Sulfate	mg/l	400
Chloride	mg/l	50
Boron	mg/l	0.7

Basin Plan WQPS may be modified by the Regional Board based on more recent or complete groundwater monitoring data such as from the monitoring network required by this Order, changes in background water quality, or for any other valid reason.

- b. VRSD shall test for the monitoring parameters and the Constituents of Concern (COCs) listed in Summary of Self-Monitoring and Reporting Programs (Item No. 46) of Monitoring and Reporting Program No. CI-5644 and revisions thereto.
- c. Concentration Limits - The concentration limit for each monitoring parameter and COC for each monitoring point shall be its background value as obtained during that reporting period.
- d. Monitoring points (background monitoring points and points of compliance) for detection monitoring shall be those listed in Item No. 15 of the attached Monitoring and Reporting Program No. CI-5644 and any revised Monitoring and Reporting Program approved by the Regional Board's Executive Officer. The points of compliance extend through the zone of saturation.

- e. Compliance period - The estimated duration of the compliance period for the Toland Road Landfill, (i.e. the minimum period of time during which VRSD shall conduct a water quality monitoring program subsequent to a release from the site) is six years. Each time the standard is not met (i.e. releases discovered), the landfill begins a compliance period on the date the Regional Board directs VRSD to begin an evaluation monitoring program. If VRSD's corrective action program has not achieved compliance with the standard by the scheduled end of the compliance period, the compliance period is automatically extended until the landfill has been in continuous compliance for at least three consecutive years.

**Requirements for Water Quality Monitoring**

- 34. VRSD shall conduct required monitoring and response programs in accordance with section 20385 of 27 CCR. (A detection monitoring program per section 20420 of 27 CCR, an evaluation monitoring program per section 20425 of 27 CCR, and a corrective action program per section 20430 of 27 CCR).
- 35. VRSD shall implement the attached Monitoring and Reporting Program No. CI-5644 and revisions thereto in order to detect, at the earliest opportunity, any unauthorized discharge of waste constituents from the Toland Road Landfill or any unreasonable impairment of beneficial uses associated with (caused by) discharges of waste to the landfill.
- 36. VRSD shall use the constituents listed in Item No. 24 of Monitoring and Reporting Program No. CI-5644 and revisions thereto, as "monitoring parameters". These monitoring parameters are subject to the most appropriate statistical or non-statistical tests under the attached Monitoring and Reporting Program No. CI-5644, Statistical and Non-Statistical Analyses of Sample Data during a Detection Monitoring Program (Items Nos. 32 through 34), and any revised monitoring and reporting program approved by the Regional Board's Executive Officer.
- 37. Unless otherwise approved by the Regional Board's Executive Officer, all analyses shall be conducted at a laboratory certified for such analyses by the State Department of Health Services. All analyses shall be conducted in accordance with the latest edition of "Guidelines Establishing Test Procedures for Analysis of Pollutants" promulgated by the United States Environmental Protection Agency (USEPA).
- 38. For each monitoring point described in Monitoring and Reporting Program CI-5644, VRSD shall monitor semiannually the monitoring parameters identified in Item No. 24 in groundwater, and the vadose zone for the detection monitoring program. In determining whether a measurably significant evidence of a release

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from the landfill exists, concentration limits listed in Specification No. 33(c) of this Order, shall be used.

39. For each point of compliance monitoring point described in Item No. 11 of Monitoring and Reporting Program CI-5644, VRSD shall monitor once each year, during the Spring/Summer monitoring period, for the COCs identified in Item No. 25 of Monitoring and Reporting Program CI-5644 in groundwater for the detection monitoring program.
40. For each point of compliance monitoring point described in Item No. 11 of Monitoring and Reporting Program CI-5644, VRSD shall monitor once every five years, alternating between the Spring/Summer and Fall/Winter monitoring periods, for the COCs identified in Item No. 26 of Monitoring and Reporting Program CI-5644 in groundwater for the detection monitoring program. In determining whether a measurably significant evidence of a release from the landfill exists, concentration limits listed in Specification No. 33(c) of this Order, shall be used.
41. VRSD shall furnish, under penalty of perjury, technical or monitoring program reports in accordance with section 13267 of the CWC. Failure or refusal to furnish these reports, or falsifying any information provided therein, renders VRSD guilty of a misdemeanor and subject to the penalties stated in section 13268 of the CWC. Monitoring reports shall be submitted in accordance with the specifications contained in the attached Monitoring and Reporting Program No. CI-5644, as directed by the Executive Officer. The attached monitoring and reporting program is subject to periodic revisions, as warranted and approved by the Executive Officer.
42. The effectiveness of all monitoring wells, monitoring devices, and leachate and gas collection systems shall be maintained for the active life of this site and during the closure and postclosure maintenance periods. If any of the monitoring wells and/or monitoring devices are damaged, destroyed, or abandoned for any reason, VRSD shall immediately provide substitutes acceptable to the Executive Officer to meet the monitoring requirements of this Order.
43. VRSD shall maintain all monitoring wells and/or piezometers in accordance with acceptable industry standards. If a well or piezometer is found to be inoperative, the Regional Board and other interested agencies shall be so informed in writing within seven days of such discovery, and this notification shall contain a time schedule for returning the well or piezometer to operating order. Changes to the existing monitoring program shall be submitted for Executive Officer approval at least 30 days prior to implementing the change(s).
44. VRSD shall provide for proper handling and disposal of water purged from the

monitoring wells during sampling. Water purged from the wells shall not be returned to that well (or any other well).

45. For any monitoring wells or piezometers installed in the future, VRSD shall submit technical reports for approval by the Executive Officer prior to installation. These technical reports shall be submitted at least 60 days prior to the anticipated date of installation of the wells or piezometers. These reports shall be accompanied by:
  - a. Maps and cross sections showing the locations of the monitoring points; and
  - b. Drawings and data showing construction details of the monitoring points. These data shall include:
    - (i) casing and test hole diameter;
    - (ii) casing materials;
    - (iii) depth of each hole;
    - (iv) the means by which the size and position of perforations shall be determined, or verified, if in the field;
    - (v) method of joining sections of casing;
    - (vi) nature of filter materials;
    - (vii) depth and composition of soils; and
    - (viii) method and length of time of well development.

#### **Requirements for Seepage Water Quality Monitoring**

46. VRSD shall monitor seepage water from the monitoring locations identified in Item No. 29 of Monitoring and Reporting Program No. CI-5644 semiannually, and report the findings to the Regional Board semiannually. For seepage monitoring points, VRSD shall monitor for the monitoring parameters identified in Item No. 29 of Monitoring and Reporting Program No. CI-5644.

#### **Requirements for On-Site Uses of Water**

47. Any water used for landscape irrigation, dust control, or other non-emergency uses, shall be subject to this Order, except for potable water and any other water allowed by this Order.
48. All use of landscape irrigation, or dust control water shall be within the boundaries of the landfill property. During an emergency, this water may be used for fire fighting on the site or on undeveloped areas off and adjacent to the site.
49. No water shall be routinely applied to the landfill except for landscape irrigation,

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or for surface dust control. Water used for these purposes shall only be applied by spraying, and shall be applied only on completed lifts, in quantities not to exceed those necessary to reduce immediate dust hazards or support plant life and shall not enter the storm water collection system.

50. Washing of landfill equipment or vehicles shall be confined to areas where the waste water will not percolate into the disposal areas or native soils, or enter the storm water collection system, unless specifically permitted by this Order. Access road washdown shall also be confined to areas where the water will not percolate into the disposal areas or native soils. Access road washdown that enters the storm water collection system shall be subject to any NPDES requirements except for potable water and any other water allowed by this Order.
51. Waste water from cleaning site equipment, water purged from wells, and leachate removed from the site's LCRS intended to be used on-site for dust control or irrigation shall at all times be within the range of 6.0 to 9.0 pH units, and shall not exceed the following limits:

Constituent	Unit	Maximum Limit
COD	mg/l	240
Oil and Grease	mg/l	15
Coliform	MPN/100 ml	23
BNA <sup>1</sup>	mg/l	0.1
Total Heavy Metals <sup>2</sup>	mg/l	1.5
Purgeable Organics <sup>3</sup>	mg/l	45.0
<sup>1</sup> BNA shall include the summation of concentrations of all base/neutral and acid extractable organic priority pollutant compounds.		
<sup>2</sup> Total heavy metals shall include the combined concentrations of the following metals: arsenic, cadmium, copper, lead, mercury, nickel, selenium, silver, and zinc.		
<sup>3</sup> Purgeable organic compounds shall include the summation of concentrations including purgeable priority pollutants, acetone, and 2-butane. No individual parameters may exceed 20 percent of the Maximum Limit.		

52. During periods of precipitation, when the reuse of any waste water is not necessary for the purpose specified in this Order, the waste water shall be stored or hauled to a legal point of disposal.
53. Any water used on-site for irrigation or dust control shall not exceed the maximum contaminant levels contained in 22 CCR, section 64431 for heavy metals, nitrates and organic chemicals, and in section 64672 for copper and lead. Radioactivity shall not exceed the limits specified in sections 64441 and 64443 of 22 CCR (or subsequent revisions).

54. Unless otherwise stated, all metals analyses shall be for total metal in a filtered sample.
55. A sampling station shall be established for each waste water source where representative samples can be obtained. Waste water samples shall be obtained at sampling stations prior to being mixed with other water(s). The minimum sampling frequency for waste waters is on a monthly basis except for water purged from wells where the minimum sampling frequency shall be quarterly.
56. Prior to the onsite use of any waste water, VRSD shall submit to the Regional Board a technical report concerning the complete description of each proposed waste water sampling station with the data to support the conclusion that the proposed station will provide samples representative of the entire flow from that source.

#### **Requirements for Containment Structures**

57. The landfill shall have containment structures which are capable of preventing degradation of the waters of the state. Construction standards for containment structures shall comply with 27 CCR requirements. Design specifications are subject to the Executive Officer's review and approval prior to construction of any containment structure.
58. VRSD shall submit detailed preliminary plans, specifications, and descriptions for all proposed containment structures and construction features for Executive Officer approval at least 90 days prior to construction.
59. The preliminary plans shall contain detailed quality assurance / quality control for the proposed construction as required by 27 CCR.
60. Prior to start of construction of any containment structure, a geologic map shall be prepared of the final excavation grade for review, approval and confirmation in the field by Regional Board staff.
61. Landfill refuse slopes shall be designed per requirements in 27 CCR and constructed in a manner that will resist settlement and prevent failure during a maximum probable earthquake (MPE) for interim slopes, or maximum credible earthquake (MCE) for final refuse slopes.
62. No disposal shall occur in a new area until the corresponding construction is completed, certified, and approved by Regional Board staff.
63. The construction report, including drawings documenting "as-built" conditions, shall be submitted within 60 days after the completion of construction. If the "as-



built” conditions are virtually identical to the approved preliminary plans and specifications, only change sheets need be submitted in lieu of a complete set of drawings.

64. VRSD shall perform an annual testing per 27 CCR section 20340(d) for any LCRS to demonstrate their operating efficiency during the operational, closure and postclosure maintenance periods of the landfill.

**Requirements for Reporting Scheduled Activities**

65. VRSD shall notify Regional Board staff at least 30 days prior to any maintenance activities, for approval by the Executive Officer, which could alter existing surface drainage patterns or change existing slope configurations. These activities may include, but not be limited to, significant grading activities, the importation of fill material, the design and installation of soil borings, groundwater monitoring wells and other devices for site investigation purposes.
66. VRSD shall furnish to the Executive Officer, within a reasonable time, any information that the Executive Officer may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this Order. VRSD shall also furnish to the Executive Officer, upon request, copies of records required by this Order.
67. VRSD shall notify the Executive Officer, in writing, at least 30 days in advance of any proposed transfer of this Order's responsibility and coverage between the VRSD and a new owner for construction, operation, closure, or post-closure maintenance of the landfill. Any transfer agreement between VRSD and a new owner or operator shall include an acknowledgement that VRSD is liable for violations up to the transfer date and that the new owner is liable from the transfer date on. The agreement shall include an acknowledgement that the new owners shall accept responsibility for compliance with this Order that includes the post-closure maintenance of the landfill.
68. Where VRSD becomes aware that it failed to submit any relevant facts in any report to the Regional Board, it shall submit such facts or information within seven days of its discovery of the omission.
69. VRSD shall notify the Regional Board of changes in information submitted in the ROWD and supplementary information, including any material changes in the types, quantities or concentrations of wastes discharged, or site operations and features. VRSD shall notify the Regional Board before any material change is made in accordance with section 21710 of 27 CCR.
70. VRSD shall comply with the closure and postclosure maintenance requirements

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and notification requirements contained in 27 CCR. Closure must be in accordance with a Closure Plan and Postclosure Maintenance Plan approved by the Executive Officer, Waste Board, and local enforcement agency.

71. VRSD shall report (on a quarterly basis) the total volume of all irrigation water used at the site each month and the area(s) where it is applied.
72. In accordance with section 21710 of 27 CCR, VRSD shall notify the Regional Board within seven days, if fluid is detected in a previously dry LCRS, or if a progressive increase in the liquid volume is detected in a LCRS.
73. VRSD shall submit or update an "Operations Plan" within 60 days after adoption of the order, for approval by the Executive Officer, describing those operations which could affect water quality, including but not limited to:
  - a. a description of proposed treatment, storage, and disposal methods;
  - b. contingency plans for the failure or breakdown of waste handling facilities or containment systems, including notice of any such failure, or any detection of waste or leachate in monitoring facilities, to the Regional Board, local governments, and water users downgradient of the landfill; and
  - c. a description of inspection and maintenance programs which will be undertaken regularly during disposal operations and the post closure maintenance period.
74. All applications, reports, or information submitted to the Executive Officer shall be signed and certified as follows:
  - a. The applications, reports, or information shall be signed as follows:
    - i. For a corporation - by a principal executive officer of at least the level of vice-president.
    - ii. For a partnership or sole proprietorship - by a general partner or the proprietor, respectively.
    - iii. For a municipality, state, federal or other public agency - by either a principal executive officer or ranking elected official.
    - iv. For a military installation - by the base commander or the person with overall responsibility for environmental matters in that branch of the military.

- b. All other reports required by this Order and other information required by the Executive Officer shall be signed by a person designated in paragraph [a] of this provision, or by a duly authorized representative of that person. An individual is a duly authorized representative only if:
  - i. The authorization is made in writing by a person described in paragraph [a] of this provision;
  - ii. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity; and
  - iii. The written authorization is submitted to the Executive Officer.
- c. Any person signing a document under this section shall make the following certification:

"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment."

**B. PROHIBITIONS**

- 1. The waste discharge at the Toland Road Landfill shall not cause the release of pollutants or waste constituents in a manner which could cause a condition of contamination or pollution to occur, as indicated by the most appropriate statistical (or non-statistical) data analysis method and retest method listed in Statistical and Non-Statistical Analyses of Sample Data During a Detection Monitoring Program (Item Nos. 32 through 34) of the attached Monitoring and Reporting Program No. CI-5644 and revisions thereto.
- 2. The direct discharge of any waste to any surface waters or surface drainage courses is prohibited.
- 3. Odors, vectors, and other nuisances of waste origin beyond the limits of the landfill sites are prohibited.
- 4. Basin Plan prohibitions shall not be violated.

**C. PROVISIONS**

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1. This Order does not authorize violation of any federal, state, or local laws or regulations.
2. VRSD shall comply with all other applicable provisions, requirements, and procedures contained in 27 CCR and any future amendments.
3. VRSD shall maintain a copy of this Order at its local offices and shall ensure that all site-operating personnel are familiar with its content and that it is available to operating personnel at all times.
4. VRSD shall allow the Regional Board, or an authorized representative, upon presentation of credentials and other documents as may be required by law, to:
  - a. Enter upon VRSD's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this Order;
  - b. Have access to and copy, at reasonable times, any records that shall be kept under the conditions of this Order;
  - c. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Order; and
  - d. Sample or monitor at reasonable times, for the purpose of assuring compliance with this Order or as otherwise authorized by the CWC, any substances or parameters at this location.
5. All regulated disposal systems shall be readily accessible for sampling and inspection.
6. This Order includes the attached Regional Board Order No. 93-062 incorporating Federal Subtitle-D Regulations (Attachment 1) and "*Standard Provisions Applicable to Waste Discharge Requirements*", adopted November 7, 1990 (Attachment 2). If there is any conflict between provisions stated herein and the Subtitle-D regulations or Standard Provisions, these provisions stated herein will prevail.
7. VRSD is the responsible party for the WDRs and the monitoring and reporting program for the facility. VRSD shall comply with all conditions of these WDRs. Violations may result in enforcement actions, including Regional Board orders or court orders, requiring corrective action or imposing civil monetary liability, or in modification or revocation of these WDRs by the Regional Board.

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8. VRSD shall within 48 hours of a significant earthquake event, submit to the Regional Board a detailed post-earthquake report describing any physical damages to the containment features, groundwater monitoring and/or leachate control facilities and a corrective action plan to be implemented at the landfill.
9. VRSD shall immediately notify the Regional Board of any flooding, slope failure or other change in site conditions which could impair the integrity of waste containment facilities or of precipitation and drainage control structures.
10. VRSD shall submit to this Regional Board and to the Waste Board, evidence of financial assurance for closure and post-closure maintenance, pursuant to 27 CCR, division 2, chapter 6. The post-closure period shall be at least 30 years. However, the post-closure maintenance period shall extend as long as wastes pose a threat to water quality.
11. Within 180 days of the adoption of this Order, VRSD shall submit to the Waste Board, in accordance with 27 CCR, division 2, chapter 6, assurance of financial responsibility in an amount acceptable to the Regional Board's Executive Officer for initiating and completing corrective action for all known or reasonably foreseeable releases from the landfill.
12. This Order is subject to Regional Board review and updating as necessary to comply with changing state or federal laws, regulations, policies, or guidelines.
13. VRSD shall comply with all conditions of this Order and any additional conditions prescribed by the Regional Board in addenda thereto. Noncompliance with this Order constitutes a violation of the CWC and is grounds for:
  - a. enforcement action;
  - b. termination, revocation and reissuance, or modification of this Order; or
  - c. denial of a ROWD in application for new or revised WDRs.
14. VRSD shall take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this Order, including such accelerated or additional monitoring as may be necessary to determine the nature and impact of the noncompliance.
15. This Order may be modified, revoked and reissued, or terminated for cause including, but not limited to, the following:
  - a. Violation of any terms or conditions of this Order;

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- b. Obtaining this Order by misrepresentation or failure to disclose fully all relevant facts; or
  - c. A change in any condition that requires either a temporary or permanent reduction, or elimination of the authorized discharge.
- 16. This Order is not transferable to any person except after notice to the Executive Officer. The Regional Board may require modification or revocation and reissuance of this Order to change the name of VRSD and incorporate such other requirements as may be necessary under the CWC. VRSD shall submit notice of any proposed transfer of this Order's responsibility and coverage as described under Specification No. 67 of this Order.
  - 17. In accordance with CWC section 13263(g), these requirements shall not create a vested right to continue to discharge. All discharges of waste into the waters of the state are privileges, not rights, and are subject to rescission or modification.
  - 18. The filing of a request by VRSD for the modification, revocation and reissuance, or termination of this Order or notification of planned changes or anticipated noncompliance does not stay any condition of this Order.
  - 19. The provisions of this Order are severable, and if any provision of this Order, or the application of any provision of this Order to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this Order, shall not be affected thereby.
  - 20. According to section 13263 of the CWC, these requirements are subject to periodic review and revision by this Regional Board.
  - 21. This Order becomes effective on the date of adoption by this Regional Board.
  - 22. Regional Board Order No. 96-053, adopted on July 15, 1996, is hereby rescinded.

I, Dennis A. Dickerson, Executive Officer, do certify that the foregoing is a full, true, and correct copy of an order adopted by the California Regional Water Quality Control Board, Los Angeles Region, on January 24, 2002.

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Dennis A. Dickerson  
Executive Officer

FIGURE 1:  
TOLAND ROAD LANDFILL - LOCATION MAP

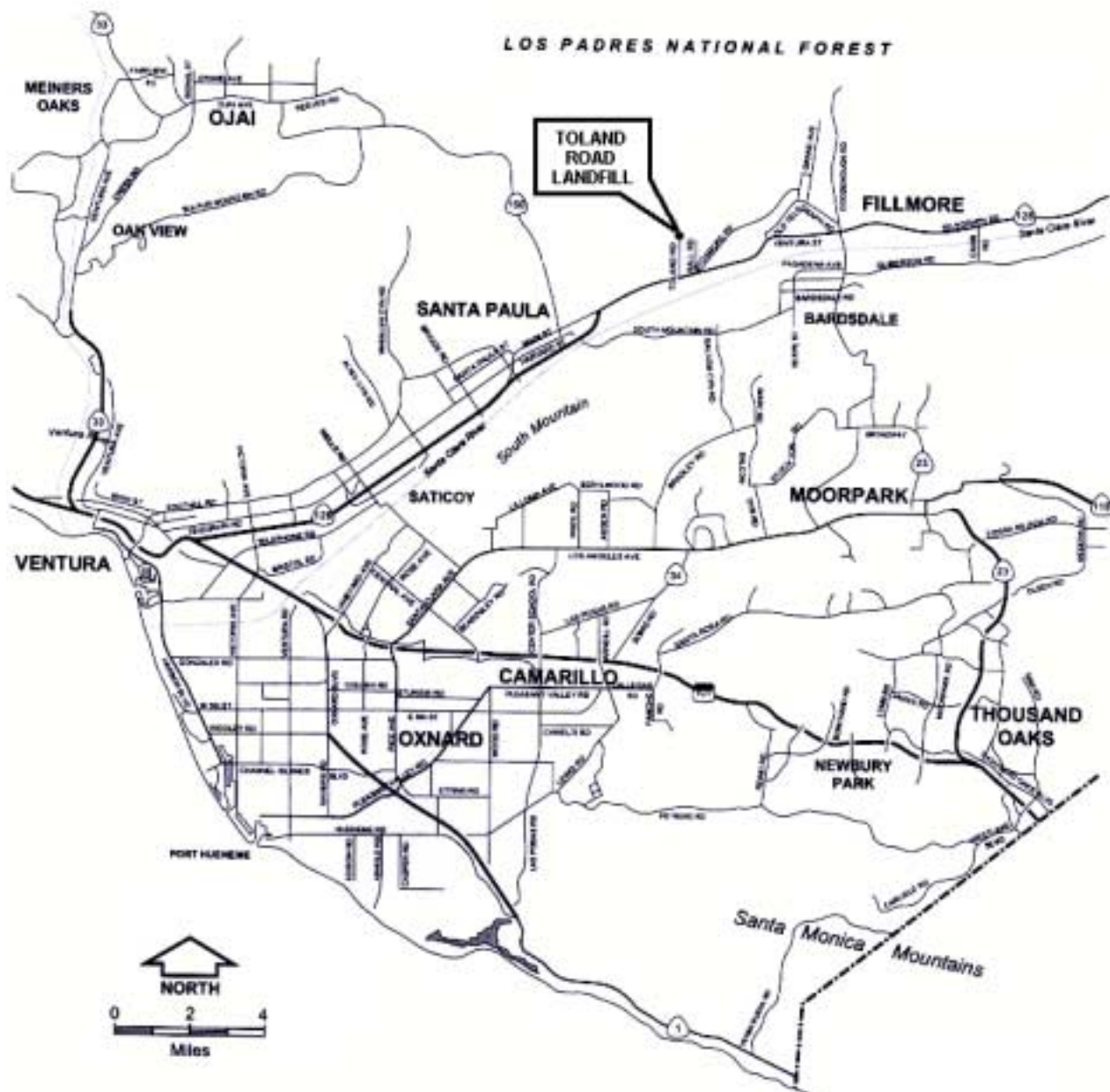
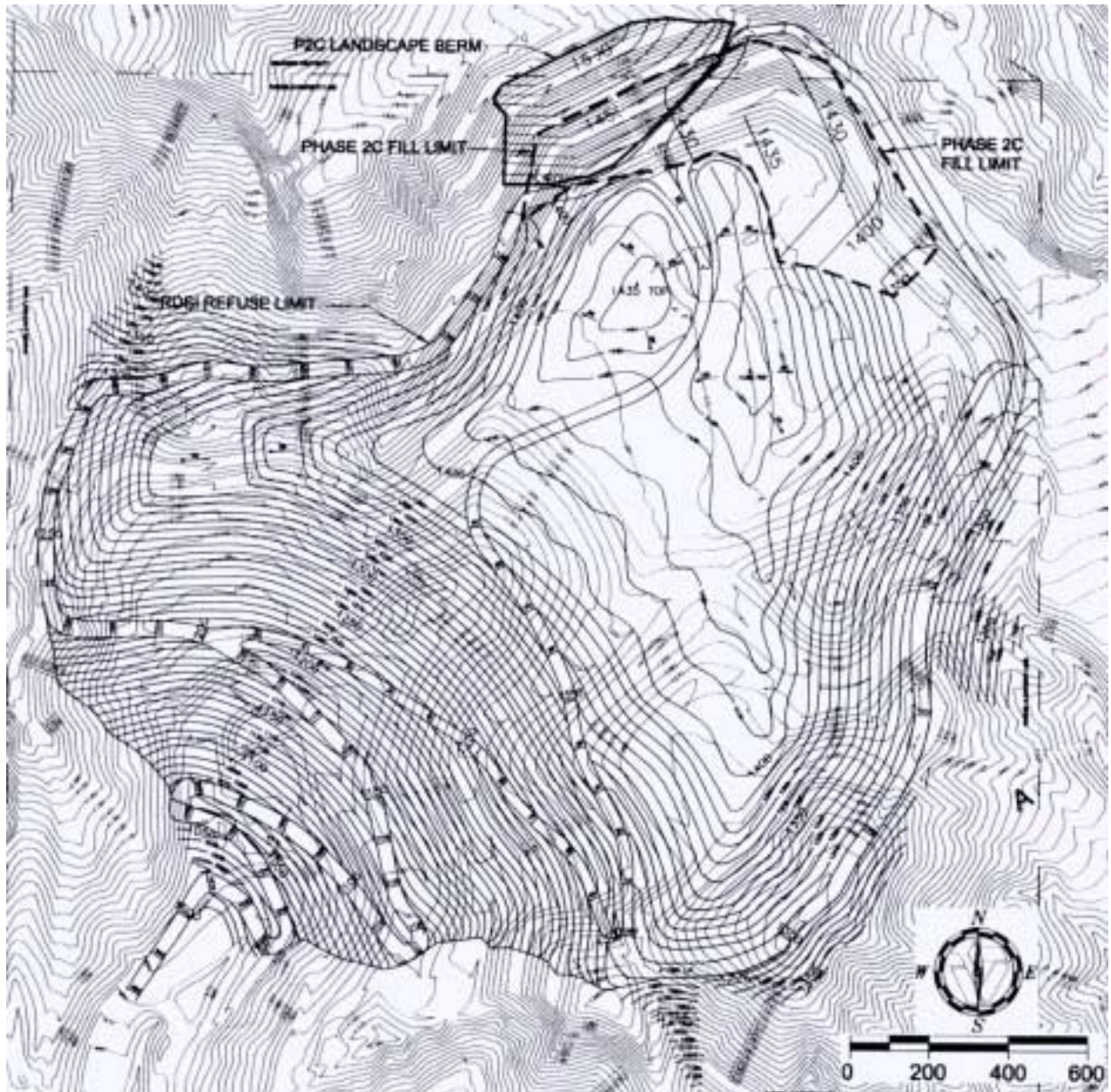




FIGURE 2:  
TOLAND ROAD LANDFILL - APPROVED FILL DESIGN





**FIGURE 3:**  
**TOLAND ROAD LANDFILL – REGIONAL STRUCTURAL GEOLOGIC MODEL**

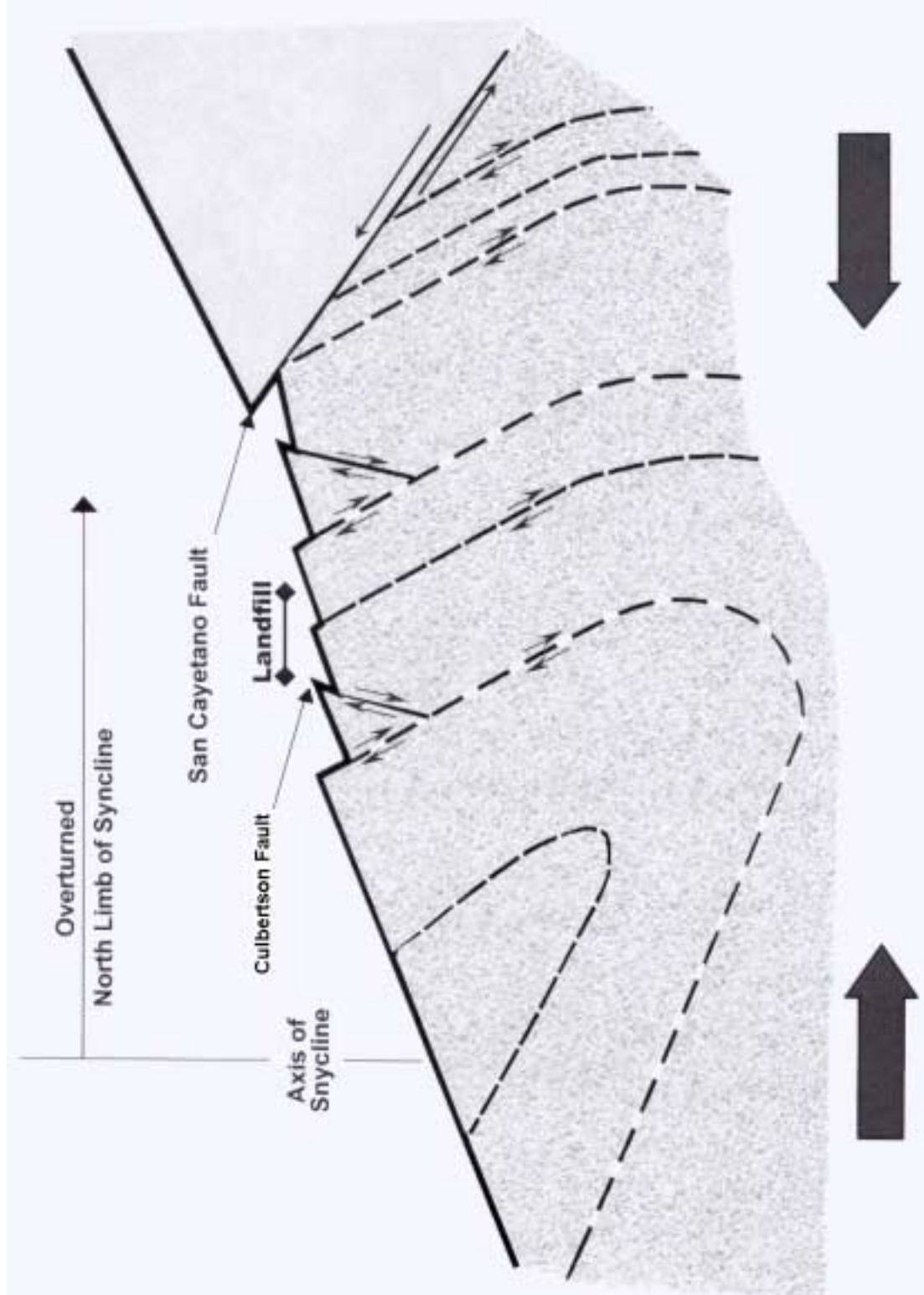
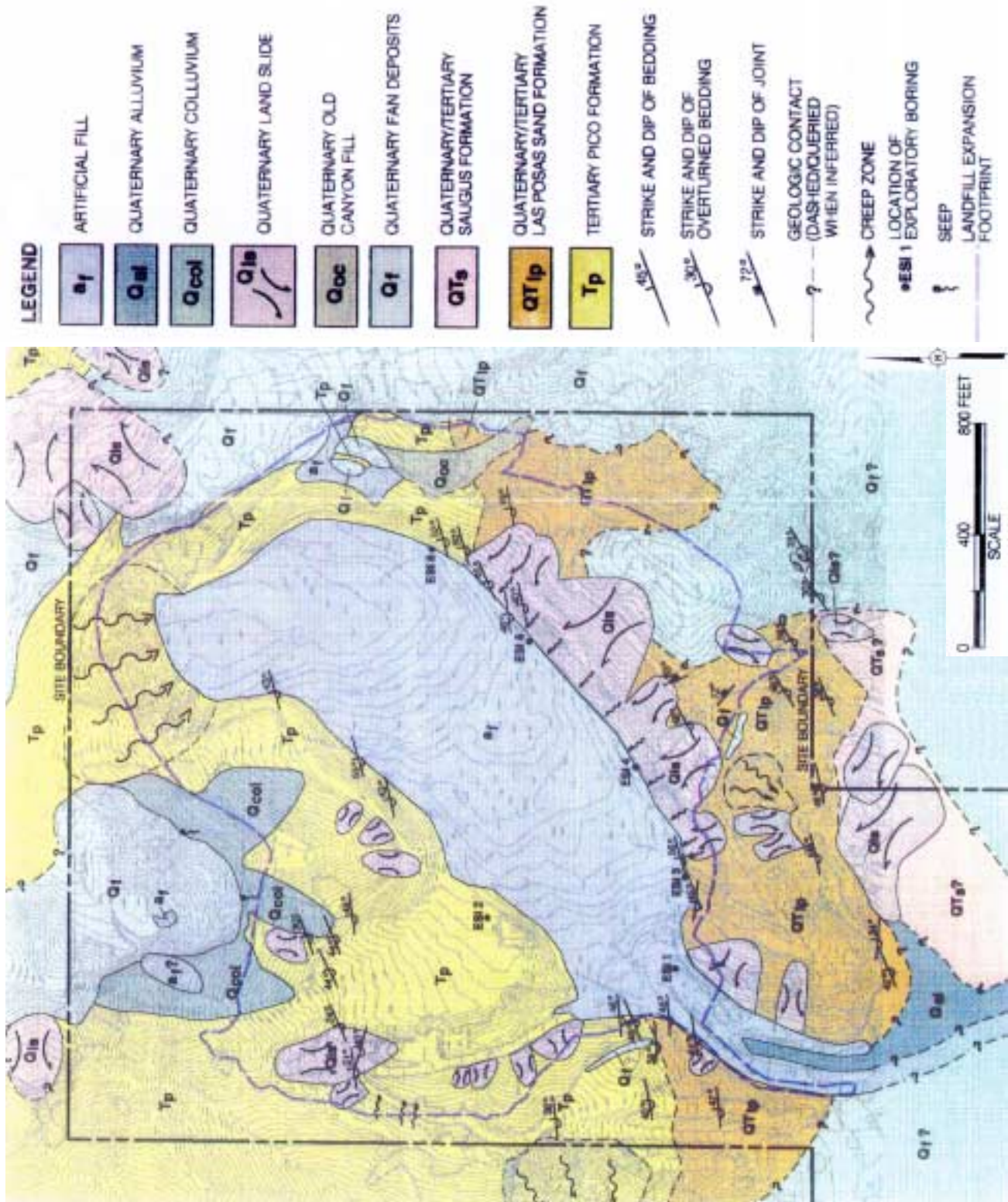


FIGURE 4:  
TOLAND ROAD LANDFILL –GEOLOGIC MAP



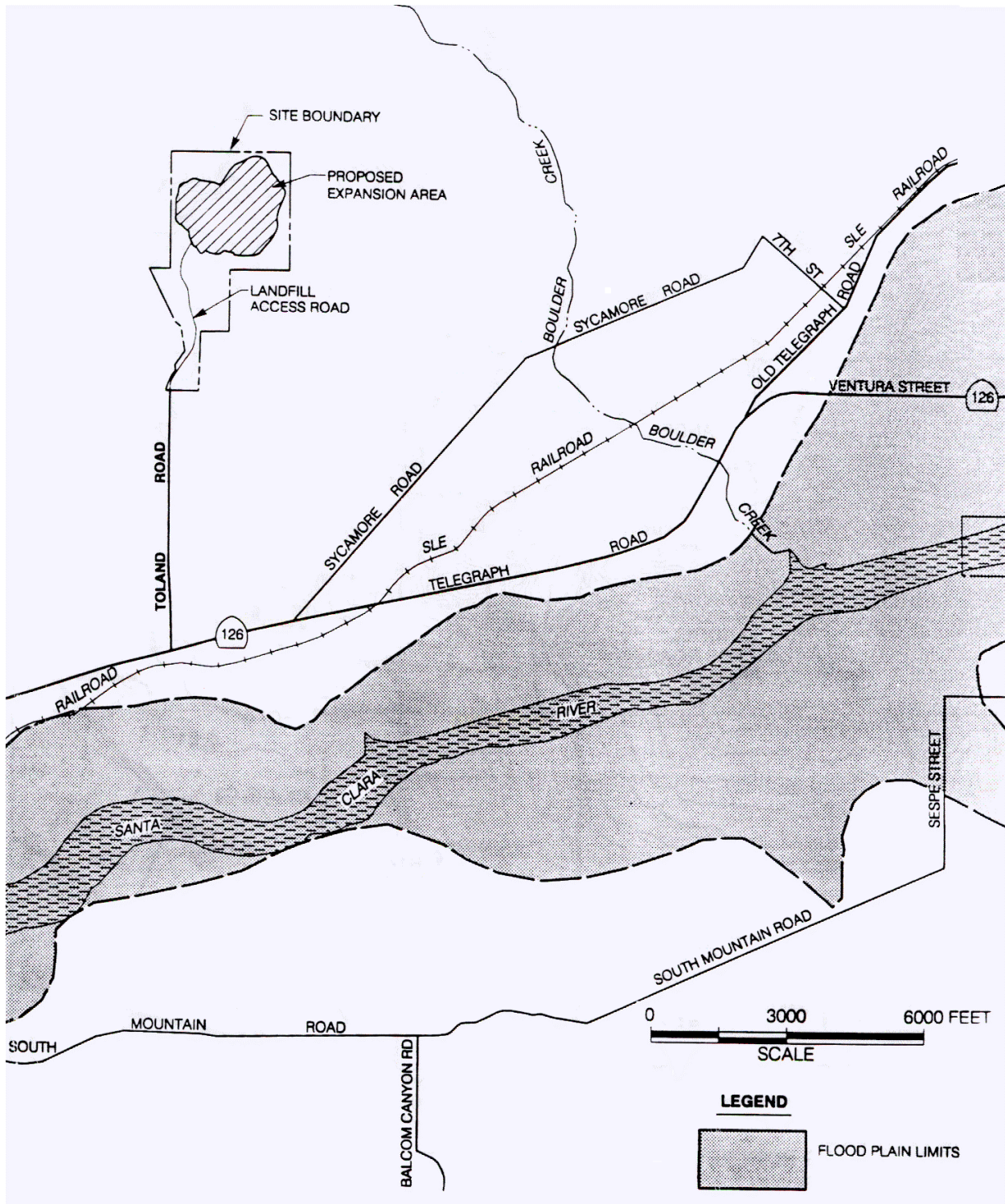


The map displays a topographic view of a site area. Key features include:

- Site Boundary:** A dashed line delineating the project area.
- Existing Landfill Footprint:** A shaded area representing the current landfill.
- Proposed Landfill Footprint:** A shaded area representing the planned expansion of the landfill.
- Topography:** Contour lines indicating elevation, with labels such as 2000, 2200, 2400, 2600, 2800, 3000, 3200, 3400, 3600, 3800, 4000, 4200, 4400, 4600, 4800, 5000, 5200, 5400, 5600, 5800, 6000, 6200, 6400, 6600, 6800, 7000, 7200, 7400, 7600, 7800, 8000, 8200, 8400, 8600, 8800, 9000, 9200, 9400, 9600, 9800, 10000.
- Legend:**
  - AGRICULTURAL (40 ACRE +):** Represented by a light gray shaded area.
  - OPEN SPACE (10 ACRE +):** Represented by a white area.
- Scale:** A scale bar indicating distances of 0, 2,000, and 4,000 feet.
- North Arrow:** A north arrow pointing towards the top of the map.
- Other Labels:** "Water Tank", "Well", "Road", "Railroad", "Highway", "Power Line", "Telephone Line", "Fence", "Boundary", "Site", "Proposed", "Existing", "Footprint", "Area", "Zone", "Region", "District", "County", "State", "Country", "World".



**FIGURE 6:  
TOLAND ROAD LANDFILL – 100 YEAR FLOOD BOUNDARY MAP**



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**ATTACHMENT 1:  
REGIONAL BOARD ORDER NO. 93-062  
INCORPORATING FEDERAL SUBTITLE-D REGULATIONS**

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**ATTACHMENT 2:  
STANDARD PROVISIONS APPLICABLE TO  
WASTE DISCHARGE REQUIREMENTS**